

PROJECT NUMBER : 1757
PROJECT TITLE : Analytical Flavor Specifications
PROJECT LEADER : M. L. Zimmermann
WRITTEN BY : B. Baronian/K. Dudzinski
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FLAVOR SPECIFICATIONS AND CERTIFICATION

A. Objective: To develop analytical and sensory specifications for current, incoming flavor materials and to transmit specifications and methods for monitoring specifications to appropriate groups. To certify that PMI export flavor materials meet GFO, to issue a certification of analysis and to transfer methodology and certification to the Flavor Center. To develop specifications and analytical methods for adhesives used by PM USA.

B. Results:

Completed the specification process for the entire set of DM codes for all of the 92 flavor vendors for Philip Morris. Complete packages including methods specific for the items for each vendor are being prepared for distribution.

The certification program has been turned over in its entirety to the Flavor Center personnel. Responsibility for the certificate has also been moved to key individuals at the Flavor Center. Some problem solving and backup support continue to be addressed.

Efforts have been initiated to address issues associated with PMI samples for Malaysia. Several methods for the determination of key components have been completed and others are being investigated.

HPLC analysis for sugars on extractions of various dry flavors was performed to determine acceptable levels of roasting. Amino Acid determinations were conducted for specification development using an existing HPLC method. Support has been provided to BCR by analyzing for the nicotine content of two sets of tobacco samples.

Initial evaluations of sideseam adhesives from three different manufactures (Fuller, National, Ajax) and from three separate use locations (Manufacturing Center, Cabarrus, Louisville) are being investigated.

Contacts have been made with the technical services division of D. Sweeny through E. Stagg in which the flow from receiving/storage and use by each of the various makers and packers were examined.

A visit was made to the Richmond based H.B. Fuller Company in which the formulation of a generic PVAc/PVA adhesive was investigated.

Meetings have been held to discuss the proposed planned database for adhesives and the analytical results generated by the initial analytical investigations of sideseam adhesives.

C. Plans:

Continue support to the Flavor Center on an as needed basis, issue the completed Direct Materials specifications, and continue the visits with key vendors on technical issues.

Evaluate initial analytical results of sideseam adhesives. Continue to search for and develop applicable methodologies to determine the composition of adhesives.